

SEQUENCE LISTING

<110> Jarrett, Paul
 Ellis, Deborah
 Morgan, James

<120> Pesticidal Agents

<130> 0380-P01838US0

<140> 09/242,843

<141> 1999-11-18

<150> PCT/GB97/02284

<151> 1997-08-27

<150> GB 9618083.1

<151> 1996-08-29

<160> 1

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 38258

<212> DNA

<213> Xenorhabdus

<220>

<221> misc_feature

<222> 35490, 35492, (35499)...(35519)

<223> n at any position = a or c or g or t

<400> 1

tccacaattt	ccggagaaaa	tcagtcggga	actgcccgtt	attattcgta	acttattaaa	60
cgaattttgcc	gaccagaata	aggctaaaaa	actgctacag	gcgcAACGCG	actcgAACGA	120
agcgttaacg	gtaaagatgc	attcggatcc	gctgtatcgc	ttttgtggtt	atctgggttc	180
tgtcaatgtat	atgaccggaa	tgaagatggg	caataaaaaac	attagccccac	gagcaccgag	240
attgtacttg	tatcatgcct	atctctttt	tatggaaagcg	cacggctttt	aacgtccgtt	300
aacactgact	aagtttggtg	aatccatccc	caagattatg	ctggaataacc	ggaaggagata	360
tcgaaaagtg	cgaaccaaga	aaggctattt	ctataacgtt	gaatttatcg	aagaggccga	420
agaatggcta	ccgtcagtgc	ctgagtgtcg	agactttaaa	tcacctgtat	aaaactttga	480
gctttaagtc	tgcactccat	acacaacttta	aaatatctaa	ttgtatttaa	agaaaaataaa	540
tagatgtata	gttatttttt	aactatacat	aagctctaca	tgctcttcat	tcgtgtaaaa	600
aatgggtgaa	cagggtgatac	agtcaatgtt	tatcatata	attaccgtaa	acccagatgt	660
agcaaggctt	tcagggaaat	gtgcagaggg	tgcataactg	agagggtgaa	aaagattttc	720
agggggggctt	atggcaggta	aacaaatca	gaagcaaata	ccgtgcacaa	tctggttttt	780
attttttgtt	actacctcaa	attaaaatga	tgtatcatc	tgattttatt	taagaataga	840
agttaatcac	aatttcattt	atggactttt	attcacactg	gtatagataa	ataattctgt	900
tatatcctgt	ttcattacgc	attcatcagg	agtgcgttta	caggagacaa	aatgtcaca	960
catcatttac	ttgtcgtaa	agggcaagaa	gcagggttta	atttcagcgg	gttgttcaac	1020
gcctgaatca	attggaaatc	gctatcaaaa	aggacgtgaa	gatcaataac	aggtatttag	1080
cctgaatcat	tcgatgagcc	gtgaccagaa	tgttaatcat	caaccgtca	gttttgtgaa	1140
acccattgtat	aaatcccttc	ccctgttttc	tggatgcccag	ttttgtgc	tacaggacaa	1200
gccagatgg	acaactggag	ttctttttatg	aaatcaactg	gaccgtgcc	acgattgtgg	1260
atatttccat	taatttatcg	gcattcaatc	aatgataatg	gtgcgatacc	ccatgaagt	1320
gtgatgctcg	attataagtc	catttcatgc	aaccacatcg	ccgcaggact	tcgggctaca	1380
gcatacgc当地	ttagccggaa	gtgaagaagc	aagccgctt	tatctgggtt	ctcgaatgtt	1440
aagccacttta	agaagccgct	ggttgaagaa	accccgtaa	aacccgctaa	acatcatgcc	1500
cgttatcgat	gtgtggatga	tgacggcaat	cttttaaccg	aacgcaagta	tcggggttgc	1560
ctgccggatg	gtcagataaa	agaagggaaag	actgataaac	aagggttacac	ccaatggcat	1620
cttacggatg	acaaaaataaa	acttgaattt	catatttaa	aggataata	ccatgccagc	1680
ctataaccgtt	cagacaaaaaa	tagaatccaa	cgtacgttt	aaaaaacctgc	tttacgactt	1740
aaccatttat	cgtaggatg	caaaaaggaaa	tttccatatac	ttgcttgc	tttttcaggaa	1800
gaaactacag	agtaattatg	aaacacaaca	gcatatcag	caggaaatag	acgacgatct	1860
ttctgtgatt	tatattatgc	aaattatgtt	tcaccgcataa	catggctcaa	atatattttcc	1920
ggcactgcaa	acccatttta	agaaaaatgtt	taccctcggt	gaattaactt	ccggtaaagc	1980
ctgttcggag	aaaaaaacggg	aaaatgcctg	ttatttgaa	agtagcgtt	aaacaaaacc	2040
tgtcagcgc当地	ggggataata	ccgttgactt	aaatatcact	attccctgaac	gaccttttat	2100

tgccaaagaa	tatcccattg	gtcacccaca	cgatccattt	aaaaaaagta	aaattgaatc	2160
ataaaatacag	gacaggttat	cgaaaagaat	ttatccggat	caaaatggag	caagtttatg	2220
tcagggcgcg	agcacactat	tttagctcg	ttttaagat	gattatctct	taatgttcag	2280
tttaatagt	gttttatcg	agtgaardttt	aatcgacag	gcaattctt	agacttttat	2340
agaaaactaa	agaattaaag	aacaagattt	acattttaaag	ttcaaataatt	aatcaaagta	2400
tgctcgcc	ctgagtttat	gtggccctgc	cgtttttttt	tattgcctgc	caatagatag	2460
accagatatt	tatgagcaag	cggcacgaga	attatggcaa	tatggccgaa	ctaaaatttg	2520
tcaactggaa	attaacccgg	gtgagggttg	ccgacatcct	aaaggacttt	tttataatca	2580
atatggtaaa	agaatattctg	ggttagattt	gctgacattt	gcaaggctaa	gagattcaga	2640
aaatatgtat	atgaggttga	tgatgaagta	gctggatttt	caatgtgggg	aaaattgaca	2700
gaatggttt	aaaaatcagg	gtatgaaaaa	gtattttagta	atgtcggctt	atcccattct	2760
aatataaatt	acatagtaac	tcttagtcat	tactataaca	aaggatatca	tgttgttact	2820
ttgatttcag	caggaatgtt	atcagatttt	ggtgacatag	aaacatcagg	aaaaaatcat	2880
tggatagttt	gggaaggagt	agtagaaaaac	tatgagaaag	aaaatatcac	aaataattca	2940
gatctgaatc	aatatgtaaa	tttaaactctg	tttcatgtgg	gtaaagtggaa	acatcaaatt	3000
aaaaaaaaca	aatcaactaga	ttatgtactc	aaccatattt	tttgagggtt	gttttttaaa	3060
ccaatggaaat	aacatggaaa	aaatattaaat	tattttttttt	tttttacttt	atggttgtgg	3120
taatccaacg	ccaaaagttt	taccaaaatc	agatttctt	cctgatgcag	tgataaaatga	3180
accatcatcg	gcatcaatta	ccatcacagg	aggcatttgc	aatgaaaaaa	gcgtttgggt	3240
aaaaattcat	cctactggct	caggactaac	atggaatcca	aaagatagtt	ctttcctata	3300
gggtggaaaaa	aaagaaaataa	gaaaagattt	tcatcatata	aatataacag	gtaccccaa	3360
gaagacagaa	ttgataaaaaa	ttgaagtgtt	aggatttaca	ttgggtacaa	tgtacgcacg	3420
gaaagagttt	actataaatt	atactataaa	agtaaggggaa	taattgtcac	tatcagaatg	3480
gtgatttaat	tcgccccattt	tatacttttgc	tatactctct	caacataatc	aggattctt	3540
cttatttattt	ttcatgggtgc	taaaaacgtt	tattgaaaaa	ataaattaag	ttaatcagat	3600
aaattatctg	cattactgtt	ataatcgata	acacgataac	ctgactttct	gcctgttctt	3660
atgaactcg	agataatctt	ttctgagctt	gaacgaatca	cattgcaacc	actcgcttt	3720
aatcaccac	accggacat	tcgtacgcga	ggaacgggtt	tactcatgc	tgccagagg	3780
agcaagccgt	cccagatcac	cgctgaaatc	ggatgcagtc	tccgggttat	ctgtaatttg	3840
gttcacatgt	ggcacagata	gcgggattat	tcggcggtca	tgccggaggc	cggtatctcg	3900
ccatgacgcc	tgacatgatt	gccactgcgc	tcgaagccgc	cagcgcagag	tccctgacgt	3960
gcgtcgaagc	caggcagggt	ttccctgcct	tgtacgcttgc	aaacgctggc	gaataccctg	4020
aaaaaaacagg	ggctcccccta	taaacgcccc	cgcctgtcgc	ttaaaaaaag	cgcaataaaa	4080
cggagtttgc	tgaaaaatcc	gccttgcga	ataaaattaa	ggccggagca	cagtcaggac	4140
attaccgtct	ggtctatttt	gagttctggg	ggcgtttaat	tacacggata	acacgcttt	4200
ttaccagaca	acgtcaggca	gtatcacgcg	agatgcgttgc	attgtttttt	tagagccgg	4260
ggccagacaa	gggacaaccc	cctgacattt	tttagtgggg	ataatgcgcg	tatccatcac	4320
gggatagagg	aaaaaaatcg	aaatggccggg	tgacgagaac	acaacctttt	tttattctat	4380
cttccgcctt	acagccccaga	gctgtatctg	attgaaatcg	tctggaaaca	ggccaaatac	4440
gactggcgcac	gttttatcac	ctggacttcg	gatacaatgg	aatatgaggt	aaatacttta	4500
ttgaaagggtt	atggcgacca	atttgcaatt	aactttctt	gagtacttag	taagaataga	4560
gtcagtcgag	gtttttcat	ttcggggtcg	ggggatgata	ctgaaaattt	gtttgtaaatc	4620
tctgaaaattt	gctgtttctg	tggctacgtc	tgtcttttgg	gatattgttt	ccatcaagtc	4680
tgtcaacata	ctgttaagtt	agatgttgat	aaaagagact	gaattataat	acaaaacaaat	4740
aaatccatct	gacaatattt	tatttcacat	gagacattaa	gtttgattttt	ccaatctgg	4800
tcatgtataa	ccgaataagg	atcttggaaa	atcatggat	tttactttta	tcaaataatgaag	4860
ttaacgtaaa	agttgataaa	aaaattattt	taattctaaag	tgccgttggc	ataaaatattt	4920
tgtgttttgt	taatgaatga	ataaccagg	aagctggatt	ttcattttttt	atttactctgt	4980
tacaatatgc	tatttattta	tataaagagg	tttgcccat	ttaaccagta	aacaaatttg	5040
ttcaaccgtt	acttagcttc	atcgactttt	ggcctcgcc	ggtcagaatc	tagggccgtt	5100
atcctatttt	tttatgataaa	ataaaattta	attatctttt	ataagctgaa	tatgtggatt	5160
tgtgtcaat	cttggattca	agtatgtatt	ccttttggta	ccctgttta	tttaaggca	5220
gatgaagagg	atgccaacat	gacacaatat	cgattacgc	tgtacatttt	agtcagttta	5280
taaattttat	gattaaaaatg	aaatttttagt	agaaaatcg	attcttattcc	gcattttaca	5340
atagcatctt	ctttaatattc	ataatctca	gataaaaacaa	ataattacaa	tgtgaataga	5400
ataatgactt	acaaaataag	cactaaatct	tcagatgaac	tcttaactga	caacactatt	5460
ttataaaaata	attgaggtt	ttatgtatag	cacggctgtt	ttactcaata	aatcagttcc	5520
cactcgcgc	ggtcagacga	tgactcttgc	ggatctgc	tattttatct	tcatgtact	5580
gagaaaaatc	tttgcgttacc	agctcagg	gggagaggct	cgccatctct	atcatgaaac	5640
tatagagcg	aaaaaaaata	atcgcttgc	ggaagcgcgt	atttttaccc	gtgccaaccc	5700
acaattatcc	ggtgcatacc	gactcggtat	tgaacgagac	agcgtttcac	gcagttatga	5760
tgaatgttt	ggtggccgtt	tttcttccct	tgtgaacccg	ggttcagttgg	cttccatgtt	5820
ttcacccgg	ggctatctca	cgaaatttgc	tgcgttgc	aaggacttac	atttttcaag	5880
ctctgtttat	catcttgcata	atcgccgtcc	ggatctggct	gatctgactc	tgagccagag	5940
taatatggat	acagaaaattt	ccaccctgc	actgtctaa	gaactgttgc	tggagctatt	6000
acccgcaaga	ccggaggtga	ttcggacca	ttgatggaga	gcctgtcaac	ttaccgtcag	6060
gccattgata	cccccttacca	tcagccttac	gagactatcc	gtcaggctcat	tatgaccat	6120
gacagtacac	tgtcagcgct	gtcccgttaat	cctgaggtga	tggggcaggc	ggaaggggt	6180
tcattactgg	cgattctggc	caatattttct	ccagaactgt	ataacatttt	gaccgaagag	6240

attacggaaa	agaacgctga	tgctttat	tcgc	caaaact	tca	gtaaaa	tatc	cacgccc	6300
aaaaatttcg	cgtcacaatc	atggatagcc	aagtattat	gtctt	gaact	ttct	gagg	tg	6360
aaaaataacc	tcgggatgtt	gcagaatggc	tattctgaca	gcac	cctct	ttat	gtggat		6420
aatatctcaa	cgggtttagt	ggtcaataat	aaa	gaa	gttaa	tcga	agctta	aaaataaca	6480
cgtgtaaaaa	cagatgatta	tgataaaacat	gtaa	attact	ttgat	ctgtat	gtat	gaagg	6540
aataatcaat	tctttatatg	tgctaattt	aagat	atcg	gaga	atttgg	ggc	gactctt	6600
aggaaaaact	caggacaag	tggcattgtc	ggc	agcc	ttt	ccgt	cccc	ctt	6660
actaatttca	aaagcaatta	cttaagtaac	at	atctgata	atgaa	atacag	aaat	ggcgta	6720
aaaatatatg	cctatcgcta	tacgtc	acc	agc	cca	aaat	cagg	ggcg	6780
ttcactttt	agtcttatcc	cctgactata	ttt	gcgtc	taa	act	gataa	agcc	6840
tttgccctga	ctagcggct	ttcaccaat	gaact	gc	ctat	gtac	cag	tgac	6900
gcacaaggca	tcatcaacga	ctccgttct	acca	aaagt	tct	ata	actct	tt	6960
caccgttatg	cactgagctt	tgatgat	cagg	tact	acg	gat	cggt	catt	7020
tatgcccac	gatgacagt	tcagtc	taacc	gtc	tta	at	acc	cc	7080
agggaaaatc	tttgaagccg	acggcaacac	gg	tca	ggat	gat	ccggat	aga	7140
taccttgc	cgttcagccc	tgatgcgt	tct	ggggat	aa	ca	gtgg	tat	7200
gttagccaaa	ctgggggtg	tattggac	aca	aaat	aa	ctc	acactt	ct	7260
tatatcttc	ctgtatcgcc	tcacgtt	gg	ccc	gt	ca	cgt	taat	7320
actgtgtat	ctttatggt	tttcgcgtt	caat	ggc	aa	aca	acgg	ctt	7380
cggggagtt	tcacggctgg	ttatctgtt	gtat	cagg	tg	ac	gcgt	tgact	7440
cggaaatcac	cactgaagcg	atctgg	tat	gtac	cc	ag	tttc	gggat	7500
caccggaaat	cagaatctg	cttaat	tcc	gac	cc	at	ttt	gacat	7560
aaagtagtga	ccgggagctt	cagg	ttc	tcg	cg	ttt	att	ggc	7620
atctggcgtc	accagatatg	gcbc	tc	cgtt	gt	act	gataa	ctgc	7680
gcccctgaa	tatcgccgga	tttat	tg	tgct	gt	ag	agac	gt	7740
aaacgacc	actgttcaa	ttct	gc	ccat	ta	tt	at	cc	7800
actgcgtct	cagtgaagca	gag	ctt	ctg	t	ttc	cg	tg	7860
gtgcgagaag	ccaaccggc	gaca	ac	ac	tat	gt	act	tc	7920
ccaccagtgg	attatgggc	ttgg	aa	at	ttt	ct	tc	acc	7980
agcagacact	cacgggcgac	agact	gg	gg	cc	gt	gg	ata	8040
acgcaggcca	tgggttcccg	ccgg	gt	gaa	cc	ca	actt	cc	8100
cgttgtcag	tggatacatg	tgg	cat	c	act	gt	cc	gt	8160
cgctggtgg	tatccgttac	gtgact	gc	at	gt	cc	gt	ct	8220
gggataagtg	gcagacgctg	gcagaa	aa	ta	cc	tg	gg	ata	8280
agacgctggc	ggattatacc	gcag	ac	g	tt	gt	ca	tt	8340
cgaatatcca	gccagaagg	gtgt	cc	tc	gt	cc	gt	cc	8400
tgattgataa	tcaggctct	tctg	cc	at	aa	ac	cc	cc	8460
gtattcagct	ctacatcaac	cg	gg	ct	aa	cc	gg	at	8520
tgtcaaccc	ccagttttt	accgact	gg	ttt	ttt	cc	ttt	cc	8580
gggtgtcgc	gctgtttat	tat	cc	gg	aa	tt	ac	tt	8640
agacccggat	gatggatgaa	ctg	ct	gg	aa	at	tc	gg	8700
cggtggaaaga	ggcc	ttt	aa	ct	cc	gg	ttt	gg	8760
tgtcagcgt	atcaccgaca	acgt	ca	ac	cc	gg	tt	cc	8820
aacgcgggag	aacctgccc	aat	ttt	act	gt	ca	ttt	cc	8880
gggtgaactg	gcccgcgt	cct	gg	aa	aa	tt	tc	cc	8940
atacaaggat	gcaatacgtc	cg	gt	at	aa	cc	cc	cc	9000
aaaagagga	agtggcggaa	aat	gg	tact	gg	tt	cc	cc	9060
tgaaactggc	gtttctgcgt	cat	gt	gg	at	tt	cc	tt	9120
caacgcaggt	ggaggcggc	act	g	ac	aa	cc	gg	ct	9180
catcaggctt	tcagggcgag	gata	ct	tc	tt	gg	ttt	cc	9240
acccggattt	tggcacaac	aata	aa	at	gg	cc	ttt	tt	9300
ccttcaaaaa	gatggagaac	acag	ca	ct	gg	cc	ttt	tt	9360
tatcattct	actcaaggca	acg	act	tt	gg	aa	ttt	tt	9420
ttttgaatgt	cctgcctgt	tga	at	at	gg	tt	tc	cc	9480
gatggaaaac	gggaatattc	cgc	ag	ata	aa	cc	ttt	cc	9540
tacgctacat	aacggcgtt	tca	ct	gt	at	gg	tt	cc	9600
caaacaatc	agcgc	aact	gg	tt	gg	at	cc	tt	9660
tttatcatcg	caaataccgt	taa	ac	at	tt	gg	tt	cc	9720
accgttttta	ttaaaacgga	aaa	act	at	tt	gg	cc	cc	9780
agattacact	aggcgttga	ttc	ta	cc	aa	tt	tt	tt	9840
cgagtttcca	ttttctccaa	aca	ca	ttt	aa	ac	cc	tt	9900
aaccagtgt	tttaaaaagt	cgag	tt	at	gg	tt	tt	cc	9960
gatgtttat	tcctatcat	cat	cc	gg	tt	tt	gg	tt	10020
tgatgtcaaa	attacggtg	tag	ct	gg	cc	tt	gg	tt	10080
tattgcttc	ttgcggcaa	acag	ttt	ga	tg	ct	at	gg	10140
aatcgatgt	tcatcg	cctt	ac	aa	tt	cc	tt	tt	10200
gaccaaaggc	aaagacggc	gag	tg	ct	gg	taa	at	tt	10260
gttaaattat	aatccggaaag	at	ttt	ctgtt	tct	gcgt	aa	tt	10320
tatgcagctc	gggggtgtatc	gtat	tc	cc	ct	tg	gg	tt	10380

cagagcaaac	acgggcattg	atactatcct	gacaatggaa	accagcggt	taccggaacc	10440
tccgttggga	gaaggcttct	ttgccaacctt	tgttctgcct	aatatgacc	ctgctgaaca	10500
tggcgatgag	cgggtgttta	aaatccatat	cgggaatgtt	ggcggtaaca	cgggaaggca	10560
gccttattac	agcggaatgt	tatccgatac	gtcgaaacc	agtatgacac	tgttgtccc	10620
ttatgccgaa	gggttattaca	tgcataagg	tgttagattt	gggggttgat	accagaaaat	10680
tacctatgac	aacacttggg	aatctgcctt	cttttatttt	gatgagacaa	aacagcaatt	10740
tgattaaat	aacgtatgt	atcatgttc	aggaaatgc	caacagggga	tctgtaaaaaa	10800
tatcaagaaa	tacaaaggat	ttttagatgt	ttctatcgca	acgggttatt	ccgcggccat	10860
ggatttcaat	agtggcagcg	ccctcttatta	ctggaaatgt	tctattacac	cccgatgtatg	10920
tgcttccagc	gtttgtaca	ggaaaaacaa	ttcgacgaag	ccacacaatg	gataaactac	10980
gtctataatc	ccgccccgcta	tatcgtaac	ggagaaatcg	ccccctggat	ctggaaactgc	11040
cggccgctgg	aagagacact	ccttggatgc	caatccgtt	gatgccattt	atccggatgc	11100
cgtcgacaa	tatgaccgaa	cacactataa	agttggcacc	tttatgcgcc	tgttgtatca	11160
acttattctg	cgcggcgata	tggctatcg	cgaactgacc	cgcgtatgcgt	tgaatgaagc	11220
caagatgtgg	tatgtgcgtg	ctttggattt	gctgggtgtat	gagccggagg	attacggcag	11280
ccaacagtgg	gcccgcaccgt	ctcttccgt	ggccgggcaac	cacactgtgc	aagcggggcta	11340
tcaacaagac	tttacggcgc	tagacaacgg	agaagggtgc	actcaacccc	gcaacgcctaa	11400
ctcggttgg	gtttgttc	gcccggatatt	aaccggaaat	caaccggat	ctggcaaaacc	11460
tgcggttgc	cctggtaac	ctgcggccata	atccctccat	gacgggcaac	cgttatcgct	11520
ggcgaattac	gcgagcctac	gatccgaaag	cgctgctcac	cagtatggta	cagccttctc	11580
agggcggtag	tgcagtgtcg	cccggcacat	tgtcgttata	ccgcttcccg	gtgatgctgg	11640
agcggggcccg	caatctggta	gcfgcaattaa	cccagttcgg	cacctctctg	ctcagttatgg	11700
cagagcatga	tgatgcccgt	gaactcacca	cgttgctact	acagcagggt	atggaacttgg	11760
cgacacagag	catccgtatt	cagcaacgaa	ctgtcgtatga	agtggatgt	gatattgtcg	11820
tattggcaga	gagccgcccgc	agtgcacaaa	atcgtctgg	aaaataccag	cagctgtatg	11880
acgaggatata	caaccacgg	gaacagcggt	cgtgtact	gtttgtatgc	gccccgggtc	11940
agtctctggc	cggcgaggcg	ctctcgtat	cagaagggtt	ggctgactta	ttcccaaaacg	12000
ttttcggtt	cgttgcgtgc	ggcagtcgtt	ggggggcagc	actgcgtgt	tccgcctccg	12060
tgatgtcgct	ttctgcccaca	gcttcccaat	atcccgcaga	caaaatcagc	cgttcggaaag	12120
cctaccggcc	ccgccccgtc	gagtggggaa	ttcagcgtga	taatgtcgt	ggtgaagtca	12180
aacaatgg	tgcccagctg	gaaagccgt	aaatacgcgg	cgaagcagca	cagatgcagg	12240
tgaaatata	ggagaccagg	caggccata	ctcaggctca	gttagagctg	ttacagcgtat	12300
aattcacaaa	caaagcgttt	tacagttgg	tgcgcggcaa	gctgagtgct	atctattacc	12360
agttcttgc	cctgacccag	tccttctgc	tgtggcaca	ggaagcgt	cgccgcgagc	12420
tgaccgacaa	cggtgttacc	tttatccgg	gtggggcctg	gaacggatcg	actgcggggtt	12480
tgatggcggg	tgaacacgtt	ctgctgaatc	tggcagaaat	ggaaaaaagt	tggctggagc	12540
gtgatgagcg	ggcactggaa	gtgacccgta	ccgtctcggt	ggcacatgc	tatcaggcct	12600
tatcatcaga	caactttat	ctgaccggaa	aactcagcga	attcctgcgt	gaaggggaaag	12660
gcaacgtagg	agcttccggc	aatgaattaa	aactcagtaa	ccgcccagata	gaagcctcag	12720
tgcgattgtc	tgatttggaa	attttcagcg	ataccccgga	aagcttggc	aatacccg	12780
agttgaaaca	agtgagtgtc	accttgcgg	cgctgggttg	tccgtatgaa	gatatccggg	12840
cggtgctgaa	ttacggcggc	agcatcgta	tgccacgcgg	ttgcagtgct	attgcgtct	12900
cccacggcgt	gaatgacagt	ggtcaattt	tgtggattt	caacgattcc	cgttatctgc	12960
cgtttaagg	tatccctgt	aatgacagcg	gtagcgtac	gttgagttt	ccggatgcga	13020
ctgatcgac	gaaagcgtg	ctggagggcc	tgagcgtat	cattctgcgt	atcccgatata	13080
ccattcggtt	ttaattaaaa	cattgtata	ggcaggctcc	tgagggagcc	tgtttaaggaa	13140
gtttttatgc	agggttcaac	actttggaaa	cttggaaatac	cgtcattgc	ctctgggggc	13200
ggatcaactaa	aagaatgggg	agaagcactc	aatggcgtcg	gagcggaaagg	ggagcgtcat	13260
tttactgtcc	cttggcgatc	tctgtccgg	gtggcttggt	gccggtgcta	tcactgaatt	13320
acagcgtac	tgctggcaat	gggtcattcg	ggatgggggt	gcaatgtggg	gttggtttta	13380
tcagcctgcg	taccgccaag	ggcgttccgc	actatacggg	acaagatgag	tatctcgggc	13440
cggatgggg	agtgttgagt	attgtgcgg	acagccaagg	gcaaccagag	caacgcacccg	13500
caacccctact	gttggggacg	gttctgacac	agccgcctac	tgttaccgc	tatcagtccc	13560
gcgtggcaga	aaaaatcgtt	cgtttagaaac	actggcagcc	acagcagata	cgtgagggaaag	13620
agacgtcttt	ttgggtactt	tttactgcgg	atggtttatg	gcacctattc	gttaagcattc	13680
atcatcgac	tattgtcgac	ccgcaggatg	aaaccagaat	tgcccgtgg	ctgatggagg	13740
aaaccgtac	gcataccggg	gaacatattt	actatcacta	tcgggcagaa	gacgatctt	13800
actgtgtat	gcatgaactt	gctcagcatt	caggtgttac	ggcccccacgt	tatcctggca	13860
agtccactat	ggcaataactc	agccggaaac	cgcttttttc	gcggtaaaat	caggatccc	13920
tgttgataat	gactgggtgt	ttcatctgtt	atttgattac	ggtgagcgt	tatcttcgt	13980
gaactccgt	cccgaattca	atgtgtcaga	aaacaatgtt	tctgaaaaca	atgtgtctga	14040
aaaatggcg	tgtgtccgg	acagtttctc	ccgtatgaa	tatgggtttt	aaattcgaac	14100
ccgtcgctt	tgtcgccaa	ttctgtatgtt	tcatcgt	aaagcgttgg	caggggaaaa	14160
gggtgcagaa	gaaacaccgg	cgctgggttc	ccgttattt	ctggattatg	acctgaacaa	14220
caaggtttc	ttgctgcaaa	cgccccgcag	actggcccat	gaaacggacg	gtacgccaat	14280
gatgtgtcc	ccgctggaaa	tggattatca	acgtgtttaat	catggcgtga	atctgaactg	14340
gcagtccatg	ccgcagttag	aaaaaatgaa	cacgttgcag	ccataccat	tgggtgat	14400
atatggagaa	gaaatttccg	gcgttactt	atcaggatac	tcagaaagcc	tgggtgat	14460
gtgctccgg	acgggatatc	actgcccgaag	gaacgaatgc	ggttacctat	gaggaggcga	14520

aaccactgcc	acatattccg	gcacaacagg	aaagcgcgat	gttggggac	atcaatggtg	14580
acgggctct	ggattgggt	attacggcat	cagggttacg	gggctaccac	accatgtcac	14640
cggaaaggta	atggacaccc	tttattccat	tatccgctgt	gccaatggaa	tatttccatc	14700
cgcaggcaa	actggctgat	attgatgggg	ctgggctgcc	tgacttagcg	tttatcgggc	14760
caaatagtgt	acgtgtctgg	tcaaataatc	cggcaggatg	ggatcgcgt	caggatgtta	14820
ttcatttgtc	aaataagcca	ctgcccggtc	ccggcaaaaa	taagcgtcat	tttgtcgcac	14880
tcagtatgat	gacaggctcc	gggcaatcac	atctggtgg	agttacggca	atagcgtgc	14940
gctactggcc	gaacctgggg	catggaaaat	tttgtgagcc	tctgatgata	acaggcttcc	15000
aaattacggg	gaaacgttta	acccccacag	actgtatatg	gtagaccta	atggctcagg	15060
caccacccga	tttttatttat	gcccccaata	cttaccttga	actctatgcc	aatgaaagcg	15120
gcaatcattc	tgctgaacct	cagcgtattt	atctgcccga	tggggtacgt	tttgcata	15180
cttgcggtt	acaaatagcg	gatacacaag	gattaggggac	tgccagcatt	attttgcata	15240
tccccccatat	gaagggtcag	cactggcgat	tggatatgac	catattcaag	ccttggctgc	15300
tgaatgccgt	caataacaat	atgggaacag	aaaccacgct	gtattatgc	agctctgccc	15360
agttctggct	ggatgagaaa	ttacaggctt	ctgaatccgg	gtacgcgtg	gtcagctact	15420
taccgttccc	ggtgcgtgtg	ttgtggcgca	cggaaagtgt	ggatgaaaat	tccggtaacc	15480
gattgaccag	ccattatcat	tactcacatg	gtgcctggga	ttgtctggaa	ccggagtttc	15540
gtggttttgg	gcgggtgacg	caaaatgata	ttgattcagc	ggcaggtgcg	acacagggga	15600
cacatgctga	accaccggca	ccttcgcgca	cggtaattt	gtacggcact	ggcgtacgg	15660
aagtgcata	tcttctgccc	acggaatatt	ggcaggggg	tcaacaggca	tttcccccatt	15720
ttaccccacg	cttttaccgt	tatgacgaaa	aatccgggt	tgatatgacg	gtcacccgca	15780
gcgaacagga	agaataactgg	ttacatcgag	ccttaaaagg	acaacgttta	cgcagtgagc	15840
tgtatgggg	tgatgattct	atactggccg	gtacgcctt	ttcagtgat	gaatcccgca	15900
cccaagtacg	tttgttaccg	gtgatggat	cgacgtgccc	tgccgtactg	ttttcgggtgg	15960
ccgaatcccg	ccaataccga	tatgaagggg	ttgttaccga	ttccacagt	cagccaaaag	16020
attgtcccta	aatatgtatgc	gttaggattt	ccgcaggaca	atcttgcata	tgccctattcg	16080
agacgtccac	agcctgagtt	ctcgcctt	ccgatatacc	tgcccgaaac	acttttccacc	16140
agcagtttcg	acgaacagca	gtatccctt	cgtctgacac	gccagcgtt	ttcttatacac	16200
catctgaatc	atgatgataa	tacgtggatc	acagggttta	tggatatactc	acgcagtgac	16260
gcacgtattt	atcaagccga	taaagtggcg	gacgggtggat	tttcccttga	atgggtttct	16320
gccacaggt	caggagcatt	gttggcct	gatccgcag	ccgattatct	gggacatcag	16380
cgttagcat	ataccggtcc	agaagagca	cccgtattt	ctccgctgt	gcatacatt	16440
gaaaccgcag	agtttgcata	acgatcggt	gcggctttt	aggaggtat	ggatgagcag	16500
gagctgacaa	aacagctgaa	tgatgcgggc	tggaaatacgg	caaagtgc	gttcagtgaa	16560
aagacagatt	tccatgtctg	gttgggacaa	aaggatattt	cagaatatgc	ccgtgcagac	16620
ggattctatc	ggccattttg	gcaacgggaa	accaagctt	caggtaaac	gacagtgcac	16680
tggatagcc	attactgtgt	tatcaccggca	acagaggatg	cgctggcct	gcgtatgcaa	16740
gcbcattacg	attatcgatt	tatggttgcg	gataacacca	cagatataca	tgataactat	16800
cacaccgtga	cggttgcgtc	actggggacg	gtaaccagct	tccgttctg	ggggactgaa	16860
aacggtgaaa	aacaaggata	tacccctgcg	gaaaatgaaa	ctgtccctt	tattgtcccc	16920
acaacggtg	atgatgctct	ggcattgaaa	cccgccatac	ctgttgcagg	gctgtatgg	16980
tatcccctc	tgagctggat	ggttcaggcc	agctttctt	atgatggga	gttttatgga	17040
gagctgaaac	cggttgggat	catcaactgaa	gatggttatc	tcctgtcgct	tgcttttgc	17100
cgtggcattc	aaaataaccc	tgccgcgtcc	atgcacaaagc	aagtcaattt	acagaaccca	17160
ccccatgtac	tgagttgtat	caccgcacc	tatgtatgc	atccggaaaca	acaatattacgt	17220
caaacgttta	cgtttatgt	tggttttgg	cggaaaccc	caaacagccg	tacgccatga	17280
aagtggtgaa	gccttgggtac	ctgatgatgt	tggagccat	gtggctgaaa	atcaaggcgc	17340
ccctgaaacg	ggcgattaca	aatttccctt	tggcaattt	cccgacgt	cagaatatta	17400
acgggaaaag	gcaaagcccc	tgcggtacgt	ttcaaaaccgt	attcctgaaa	taatttggc	17460
aactatgtca	agttgaccaa	aaaatgccc	gcaggatatg	tatgcgtata	cccattacta	17520
tgatccgtt	gggcgtgaaat	atcaggttat	cacgccaaag	gcgggttgcg	tcgatccctt	17580
ttcactccct	ggtttgggt	gaatgaagt	gaaaatgaca	ctcccggt	atgacagcat	17640
aaagctcagt	gatgcctgtt	cactgaacag	acatcaatcc	attnnagaat	gaatcatgaa	17700
gaatttcgtt	cacagcaata	cgccatccgt	caccgtactg	gacaacgt	gtcagacagt	17760
acgcgaaat	gccttgcattc	ggcaccggaa	tacacctcg	gtacccgtat	aacgcgtatc	17820
cgggttata	tatgtatgtc	aaggatctt	gactcagat	attgatccgc	attttatgaa	17880
acgcccagcag	acagcgatgt	acaagaacgc	cattacaccc	aatcttattt	tcttgcac	17940
actcgtatgg	aaggcattgc	gtacgcaaa	tgtggatgccc	ggaacccgt	tcgcccgtca	18000
tgatgttggc	gggcgtcccg	tttttagctgt	cagcgcata	ggcgttagcc	gaacgtttca	18060
gtatgaaagt	gataaccttc	cgggacgatt	gctaacgatt	accgagcagg	taaaaggaga	18120
gaacgcctgt	atcacggagc	gattgattt	gtcaggaaat	acgcccggcag	aaaaaggc	18180
taatttggcc	ggccagtgcg	ttgtccattt	tgatccca	ggaatgata	aaaccaacag	18240
catatttggta	accagcatac	ccttgcatt	cacacgca	ttagtggaaag	atgcagcgc	18300
agccgatttg	cacgtatgtt	atgaatttg	ctggaaaaac	gctggcgcgc	cggaaagc	18360
cacttctgtc	agcacaacacg	atgttacccg	cacggatata	acgagtagac	atgtgtccgg	18420
aaacaagcaa	cgtatcgcc	atgtatggc	cggtctgc	caaggcagtt	gttggcgt	18480
gaaggggaaa	caagaacaag	ttatcgtaa	atccctgacc	tattcggt	ccagccagaa	18540
gctacgggag	gaacatgtt	acgggatagt	gactacat	acctatgaa	ccgagacgc	18600
acgagttatt	ggcataaaaa	cagaacgtcc	ttccggat	gccgctgggg	agaaaaattt	18660

acaaaacctg	cgttatgaat	atgatccgt	cggaaatgtg	ctgaaatcaa	ctaattgtgc	18720
tgaaattacc	cgctttggc	gcaaccagaa	aattgtaccg	gaaaatactt	acacctatga	18780
cagcctgtac	cagctggtt	ccgtcactgg	gcgtgaaatg	gcaaatattg	gccgacaaaa	18840
aaaccagtta	cccatccccg	ctctgatgt	taacaatact	tatacgaatt	actctcgcac	18900
ttacgactat	gatcgtgggg	gaatctgacc	agaatcgcat	aatttcacgt	caccggtaat	18960
aactatacaa	cgaacatgac	cgttcagat	cacagcaacc	gggctgtact	gaaagagctg	19020
gycgaagat	ccactcagggt	ggatatgtt	ttcacccccc	gccccatca	gaccggcgtt	19080
gttcccggtc	aggatctttt	ctggacaccc	cgtgacgaat	tgcaacaagt	gatattggtc	19140
aatagggaaa	atacgacgccc	tgtacagaa	ttctaccgtt	atgtcgaga	cagttagcgt	19200
gtcattaaga	ctcatattca	gaagacaggt	aacagtggac	aaatacagcg	aacatttat	19260
ttgcccagagc	ttgaatggcg	cacgacatat	agcggcaata	cattaaaaga	gtttttgcag	19320
gtcatcactg	tcgggtgaagc	gggtcaggca	caagtgcggg	tgctgcattt	gaaaacaggc	19380
aaaccggcgg	atatcagcaa	tgtacagctg	cgctacagtt	atggcaacct	gattggcagt	19440
agcgggctgg	aattgggaca	gtgacgggca	gatcattagt	caggaagaat	attaccccta	19500
tgggggaacc	gccgtgtggg	cacccgaaat	cagttagaag	ctgattacac	aagccggcgt	19560
tattctggca	aagagcggga	tgcaacagg	ttgttattact	acggctatcg	ttattatcaa	19620
tcgtggacag	ggcgatgtt	gagtgttagt	cctgcccgtt	aggccatgg	tttcaatttg	19680
ttccgaatgt	cgaggataaa	ccccatcg	tttctgtatt	ctgatggtc	tttcccccgt	19740
cagggtgtcc	ttgcctggat	agggaaaaaa	gcgtatcgaa	aggcagtcaa	catcacgaca	19800
gaacacctgc	ttgaacaagg	cgctccctt	gatacgttct	tgaaattaaa	ccgaggattt	19860
cgaacgttt	ttttgggtgt	gggggtacaa	gtctgggggt	gaagcggcca	cgattgcagg	19920
agcgtcgct	tggggatcg	tcggggctgc	cattgggtgt	tttgtctccg	gggcgggtat	19980
ggggtttttc	gcgaacaaca	tctcagaaaa	aattgggaa	gttttaagtt	atctgacgctg	20040
taaacgttct	gctctgttcc	aggtaggcgc	tttgggtgtc	acatcgctt	tgacgtctgc	20100
actatttaac	agctttcga	caggtacccgc	cattccgc	gcaacacgcgg	tcaccgttgg	20160
aggattaaat	gctttagccg	gagaacataa	cacgggcgt	gctatcgat	ttgccacacc	20220
cgcggacaa	agtagcgtgg	atacgctcg	gcccgtat	gtcagcgcgc	cagagcgggt	20280
agggcactat	caggcgaat	tattggcggc	atattacttg	gccgcctatc	ggggagttt	20340
gagctgggt	aacgggcagc	gattgggtgt	atgtatggt	ctcgatgggg	aaggatcatt	20400
ggtaatctat	gggatggccc	ttatcggtt	atcggcagg	tactgtctcg	aagaggcatt	20460
agctctgcca	tttcccacgc	tgtcagttc	aggagcttgt	ttggccgaat	gataggagaa	20520
agtgtcgaaa	gaaatatttc	tgaagtatta	ttacctata	gccgtacacc	cggtgaatgg	20580
gttggtgca	ccatggcgg	gacagccgc	gcccgtatc	atgcccgttgg	aggggaagtt	20640
gccaatgccc	ctagccgggt	tacctggagc	ggctttaa	gggctttaa	taacttcttc	20700
ttaaacgcct	ctgcacgtca	taatgaatcc	gaagcataac	aatcatgtt	attcccaccc	20760
tgtcatggat	gacaagggtgg	gtttttcgg	tgtgtggaca	gagaccgtt	cagggtctt	20820
gtccagttaa	ttttttggatc	aagaacgaat	gggttaacgg	atatgcaaaa	tgatatcgct	20880
caggctgagc	aataagcttt	tctgtttaacc	actgataccg	ggaaaactga	gggttaatgt	20940
gcctgtatcg	gccacaggaa	gccttcaaa	ttgcaggatc	ttagcatcat	tgaaaatccat	21000
ctggaaattga	ccactgtcat	tcatgccc	tgagatcaca	atcgcttgc	agccacgtgg	21060
catcattgt	ctgcccctat	aactcagat	tgcccggaca	tcctgataag	gccctaaag	21120
ggcaggtaac	gtcacactga	tttgggtgt	acggcgtgt	ttacctaaac	cgtcaggata	21180
atcggtagca	atattcagat	cgatataattt	gaggctggct	tgcatgttgc	ttcccttcgac	21240
gttcaacacc	ttaagcggtt	tgcctgcact	gccttcaccc	gcattgacta	actcgttccat	21300
tttatctttt	aaaatgaaac	tattttctgt	cagaccagca	tacacitcg	ccagagaaac	21360
ggttctgggt	acctccagg	ccgttcatc	ttttccaaa	tagttttt	ccatctgtgc	21420
taaattcagc	atcagggttt	cacccgctaa	taaaccgc	taagtccat	gccaagcacc	21480
tggtttaata	aagtgtgtt	ccgcattatt	caattcatac	tgataagttt	gctctgcac	21540
taaacagagt	gagaccgcca	aatcataaaa	ctgataataa	atagcggaca	acgttccacg	21600
gagccagttt	tatagcgctg	cattactgaa	tttactttgc	agaaaggcta	actgcgcctg	21660
agtttgc	tgctgttgtt	ccagatagtt	ttttgtat	actgcgcctt	cacgacgtac	21720
agccagcgtc	gctaatttgc	catcaatttgc	tttatctca	gcttccgc	tattgcgttgc	21780
aattttccac	tcttgcgcac	ggcgcacgg	tatttctgt	tggctgtt	tgtctgcggc	21840
aatacgtgtt	gtcgacgcac	aaatttcgt	accaatcgca	ctggcatttga	aaagcgcacc	21900
aaaacggaaa	cctccacac	aaaaccgtt	aatattgggg	acgagatctg	ccgcggcggc	21960
ggccatatgc	agggctgtgc	cgctgggtgt	caagaccgt	gaagagaggt	aaagatccat	22020
cgcttgc	tcaccagcgt	taacatctt	gtcgatcagc	gtattgaaac	tgtaaaaacg	22080
agactgtgca	ccatgacggc	tttcttgc	cgccaaattt	tcagcatcaa	tttcagccat	22140
gaccttatcc	tgcattttaa	tactttgc	ggcttactca	ctgcccgtt	tttgcagttat	22200
ttcagcca	gttctctgt	cctgcccgtt	agtaatgttgc	agcagggtat	tgccaaat	22260
tatcaactgg	tttacccccc	acttggcatt	ttccagaatc	accggaaaac	gttacatcg	22320
catcactgca	tgaggtttat	cgccgcgc	tttgcggc	gtgtatggc	cactgagtaa	22380
catggacgg	tctggggcg	tggcatagag	agataatgc	agtggcttgc	cgtcgattt	22440
caggttatgg	cgtaatgtt	agaggcgtt	cgtaatgtc	tgccagtaac	tttgcagttt	22500
tttattaatt	tgagggagga	acaatcggt	taacgaaatt	tgccgtacgt	ttcgtgggtt	22560
atgcagcgcg	ctgacgcgt	tgcagcattt	tatgttgcata	atgtgcgc	attgttgc	22620
tggcagctt	ttccagccgt	ggctctgacc	aatcgttatc	caatgaaaaa	taaggctcat	22680
caccaataaa	agtgagcgc	tgtacatacc	acattttagc	ttcgtttaag	gtatcacgtt	22740
caagctggcg	ataggcgcta	tctccgcggg	taatcaacaa	atccagcatt	ttcataaaagg	22800

tagccacttt	atagtgcattc	ggatcatgct	gggcaacggc	gtccggatcg	accgaatcca	22860
gcggattggc	attccaggac	gtatcttcct	ccaatggcg	gacgttccag	taataatcct	22920
gcatttcacc	ctgaaccgaa	tatccggcg	ggttcagata	tagcgcagcc	agcgtgtcga	22980
tccggtaaaa	tctgcttgc	caataagcg	tggaaatacc	tcatggcg	tgtaatagaa	23040
caatcccaag	aaatagattg	cattggcg	gttggaaatc	catgggtca	gtgttatttt	23100
tcatgacacg	acttgaatac	ccctttata	tttttgata	tttttacta	ccccctgttg	23160
tgtcattccc	gaatcatgat	cggcatcatt	agtgaaata	aattgttattt	tcgtctcattc	23220
aaaataaaaag	aaagcaggat	cccaggattt	gtcata	ttttttgt	acccaacccc	23280
taatctgaca	ccttcacgta	tgtataatcc	tttagcatag	ggaacaaaga	gcgttactgt	23340
ggttcaata	tcagataaca	ttccttcgta	ataaggtgt	ctggcagaat	tgccatcaat	23400
attcccaata	tggatcttaa	accaacgttc	atcaccatgc	tcctcttta	tgtagggggg	23460
caacttaaat	gtcgatataaa	acccttacc	taattgcggc	tctggtaat	tttgcgtttc	23520
catacttaaa	acattatcaa	taccaatatt	ggctcttca	gctaatttc	tggaaaataa	23580
agtatattaac	cgggttctgt	aaggccaaat	ctgcatatat	tgtgtgcctg	atggcatttt	23640
atgcagtgtat	ataacgttac	ttgtatctt	ggatttttagt	tttatatgaa	ttggcgtatc	23700
aataacaata	tcgtataac	cggcgtcg	ttgcttataa	ataaactcgc	tcaccagagg	23760
aatatcatat	ccttcaat	caactttac	ttgattaaaa	tcata	taggtcaga	23820
ttcgtgtgaa	gggttagatg	ccacatggtc	ttcagcattt	aactccacta	gaatatcaga	23880
gccattttt	aataaaaaac	taatgtttt	atcttggatc	tgtcgatca	tagatgaagc	23940
aagtttattt	atctgtggct	ggttgaacat	aaatacaccc	atggatcctc	gcgaaggaaac	24000
agtgcgcgaa	tatttccat	gttattaatg	attgaaacat	cattagtaaa	tgattcacat	24060
atagtatgcc	atactccgt	gttatcttc	caatctaata	ctatgtttagt	atcaagttt	24120
aattcagcat	catctgattc	ataatcataa	tttataccaa	ctccaatttc	tgattttcta	24180
ggaattttt	ccttggttct	tagatgatt	aacactctaa	aatattcg	attttaaga	24240
tcgatggaaa	taataaaaatc	caaagttcc	taatgaaaaa	tttcttctc	tttccaagc	24300
atttcatcat	gtctatcata	atcaaataaa	ataaccgtt	catcttctc	catcgataac	24360
aggtattnaa	cctcattcatt	atataattt	ccttttggaa	aattaattt	cattgaaggaa	24420
ttgaacgtt	aattaatatg	accatttct	ggtgatata	acgagagatc	aaaaatattt	24480
ccggtaaaac	tggctaattt	attttttgt	gtttagatt	ccttataattt	gccaaataaa	24540
tctgttagcaa	attgattgtt	gactttgtat	tctgtcctgg	tatcaagttc	tgataatgtg	24600
ctcttaacaa	tggcgtctaa	atcattttct	gtgagaatgg	ataatgtcat	atcagggtt	24660
atggtcatcc	cttctcttgc	aggaagacta	ttaaaagaat	aattgtctt	tttctcatgg	24720
aaataaaacaa	taatgacgtc	tttttcataa	tcagaagaac	aatacatacc	atgctggct	24780
tttttattga	tcaggtttc	tattttatca	gtcacattaa	aattaaacgg	tgagctccag	24840
ctgcccattcat	aacgaatatg	tgacagttt	aatataataa	cagtgatatc	tatcttgc	24900
ttttcaattt	cattttttag	ctctttttgt	tccagccaca	gtaaatacaa	acgagacttg	24960
taaataaacag	gtctgatatt	ttcctgcatt	acattgatgg	gtatttcaat	tttttccat	25020
tctcccccagg	cattggcagc	aaattgaccg	tgctggact	tttggtgatc	gacattgcgc	25080
caataatata	ttctgggttc	tgtctggcta	taaccaatta	aataagttag	ccccttattt	25140
acattaatac	tgtcatgata	tccgctaattc	acctgcaagt	tagcgacatc	ttcaaatgcg	25200
gtcagataat	ttttaaagct	atcttcaacg	gtatcgat	ttaactgact	ttgggaaagt	25260
tgtctgtaca	ggttgttcat	catacgttgc	tgaccaatac	gaatcg	gtcgatata	25320
tttccggat	aataggccag	ttcagat	ccggcccagg	tgctataccg	tcgattgttag	25380
gtttcccgat	cgcagaagaa	ctgacgggtt	ttcactggct	ttgatactt	ttcttcaaca	25440
ttattcaacg	cccgttgc	ataataactg	atgctggca	tggcttgc	cacacgggt	25500
gttttcactt	gggcagaacaa	ttgggtatca	atcagcagat	agtgtaacaa	ctcatcccg	25560
ctcttaatct	gttgagggtc	accattttt	atgtagtaag	cactggccgc	tgtcgctgt	25620
gcttcatcca	gccatgcctg	aagctggtc	gattgttgc	tgttcagtcc	cgcctgc	25680
aaagtactgg	cggttgc	atcatcaat	gttggcatcg	gggttccgg	ttcaccgaca	25740
tattnaattt	ttatgagtg	agcaacacca	tccgggtaa	tacccaaatgt	agcagcgaca	25800
tccagccatt	gcagagtgc	atctataatg	tctccagttt	gtaaaggtat	tcactccaa	25860
accggctctgt	tgcaatgtt	gtgtcacaac	ctgagcatca	aaattttaa	gccaccgc	25920
aattgttccg	cagtcacacgc	tcctaagt	caaatgtgt	taagattctg	tcgctgt	25980
tcacaacgc	tgatcacacg	atggaa	gtcagcgtt	gcaaaatgg	gagatcatgt	26040
tgcagtgt	tggtttctga	ttggaaattt	tccgggtt	tcaccaacag	gttcagttcg	26100
ttttcgctgt	gtccaaat	gcccacaatc	agagaaatgt	gccccagtt	ctgacaaaaaa	26160
gccaccatgt	tgctggttc	attctctgag	cgatcacgg	tagccgaat	aatcatgaaa	26220
tcatcgat	tcagtcattt	tggttttattc	tgattatcc	acagcaaaat	agtttctgt	26280
gttttggctg	aatccattt	aatgctggca	gcaatcagcg	gggcagctgc	acggatca	26340
tcgtcatcac	cgagtgaaag	tgttgataat	ccattactt	gtgtcgat	aaggtttca	26400
atatccggcg	taaggacagt	gtgttaattt	tccgtggta	tcagaaacac	atca	26460
gaccatttt	gtgttgtc	ccactgggt	cattggaaaca	gaaaggtat	taattgcgtt	26520
aatgtgtat	cagaaaaaa	ggcaatttt	gtgttcat	agggagaaac	cgacaacaac	26580
atggataatt	cattcactgt	cagatgtat	atgtctgc	gcagacgac	g	26640
agagacaggt	tctcgatgga	acacataat	tctggattt	ttccggccatt	agccagttc	26700
cataatgtat	acagttcgt	atcatttact	ctgaaagcac	gttccattat	tcccaataaa	26760
aaatggttt	ttgatttacc	gggggttaaa	tccagtttgg	tattatcagc	agaaaactct	26820
tggccattt	atagcggtgt	attgaacagc	attgtaaaat	gactgggtt	ttgttttagt	26880
gaatatttggc	tgatatctga	atgacacaat	accagcgat	cgctgacgt	aatattatag	26940

tgctgcataat	aatattgaac	ataaaaacagc	ttacccaaca	cattgctgtc	aatggtaag	27000
tcatcataaa	tactttctat	tacttgcag	atatcttcgt	gagatatgcc	tgtggcttta	27060
tacaaacgaa	tcgccttatt	cagcttaac	aggaatataat	caccggaaac	tccatcattt	27120
taaagtgtc	attggcattt	atagcatccg	acggatttgg	ttaactcgcc	ataagcggag	27180
tgttataccg	ttggtgattt	gctctgtcg	caatttaatg	ggaatactgt	aatgggtatt	27240
agcaatgggg	acgaaatttt	tatcttgta	tatataattct	ttatctccat	tctggagacg	27300
aaaatccaag	tggtcagggt	ctgtttttt	tacactgaaa	ttatatttgc	attcattttc	27360
tttgatggg	attagctcg	catagttaa	atgtgaatcg	tagaaatctt	tgcggttcg	27420
cttaatcaat	cttgcgttg	ccgtatcatt	cccgtcattt	accaatgtta	tcagttgctc	27480
attcttatac	tgttgatttg	tattttctt	acccaggag	agattgacaa	ataaactgag	27540
ttcatcataa	gacaatcgt	agtgcgagc	caaagaagca	taactcttaa	aaatcagttac	27600
atcatctgt	ccgaaatttt	tcttcatcag	ttctgttga	tttccgggt	taatttcttc	27660
tacaaggatt	tgatacaatt	caggcgat	atcagtctt	atagccagta	gcgatgttgg	27720
gtccattaat	tccgctacgt	ctgttattacg	gctaaatgcg	gtgagggttt	tatcttgcaa	27780
taaaattggc	tgacgggctg	actcatacgg	cagatgatag	ggtgtcatgc	cggttgcgg	27840
gtaagtggac	aacatttca	ttacaccgtt	atagtcatgtt	ttctctaaccg	tctgaatatt	27900
atgcagcagt	aattcattag	ataaggataa	tgtggaaattt	tcttcatcca	tattatttctg	27960
tgtcgtgcc	agtgaagcaa	tgtcgggcg	tcgtttattt	agggtatattt	gagaattgtc	28020
aggatgaaaaa	tcttcgcgtt	cccgatataa	ttctgttaaa	taagccgctg	gtgaaaatatt	28080
ggaagcaatt	gatcccgtt	ttacaaaacg	gtgggcgcgg	ccataaaaacc	aactgttgc	28140
actattgttt	agggttgcg	gtgtaatattt	aaggtagtg	atattagcca	gttgtggattt	28200
agcacgggac	aaaatgcgca	gttcttcaag	tttattctgt	tttgatttctt	gtgagccctg	28260
ttgatataaa	aagtctgttt	ctcgccacgt	cagagttcca	cttgccttat	gacgaaattt	28320
gctgaaagac	ataaacgaaa	tgtttgtcaa	taataaagta	tcaccagctt	tttcttattt	28380
atcttatcta	acagttcatt	aacttttac	atataaatcc	ttaagttattt	gtcaattttaa	28440
tgattatgg	tttttaggtt	gagattttaa	taatctgtat	ggaatattttt	gtttaatttt	28500
attgatactg	atttatcgct	ctattcttc	aataaaaaat	aaagaacttc	cctataatatt	28560
atggattttt	ataatgataa	ccgtatgtt	aaaattttat	ttaacaaac	tttcatgaaa	28620
aaattcaact	caacaattgt	ttaaaatattt	ttaatttgcgt	ttgtgtgtt	tgaaaaatata	28680
atgactaata	tttatctatg	aaagattattt	tatttggat	gttctgcttg	gtttcagggg	28740
gctacgttgg	agtcagataa	atgtgtcaaa	aaagaaatcc	ttaataaagt	tgcgtatatt	28800
caaaagttgg	tatatcgta	caagagtgtat	agtaatgtca	cataattttt	tgaataccgg	28860
aacctcgcaa	atgcggggtt	tttcttcgca	taatcaaaaga	gaaagctatg	aaaaaaacac	28920
tgattactct	tattctcagt	accctttctt	ttgggtgtttt	ggcacagcag	gttggcttcg	28980
tttccccgg	cagcacagac	tatactcagg	gtggattttaa	aggtccaaact	cccaacactga	29040
ccagcgttgc	tcaagaaaaa	tcttttctgt	atgtgcgtt	gttggcttcg	gaaggaaaca	29100
ttgttaaaca	ggttggtcac	gaactctatgtt	aattcgcggc	cgcataatac	gactcaatatt	29160
agggatcgt	tattacggac	ttatccggaa	agctatctgg	aaccctgtt	acgcctgtat	29220
aaaacagaat	tcagggataa	cagtggttct	gtttatgttg	acattgtatg	taagcgttgg	29280
atgggtctga	cggccactcc	aactgacaaa	gttcgtatcg	aaggtaagt	ggacaaagac	29340
tggaacagtg	ttgaaattga	tgtcaaaact	atccgcatacg	tgaataact	caagcacttt	29400
gaatatagcc	ccgcactcgc	ggggttttttt	gcttctgggg	agtcggaaat	ttaaccgtat	29460
tgacgaggat	caaactaag	ttaacggcag	ttggcactgat	tttgggtgcatt	aagtatcaa	29520
aagttaaaaaa	tcaaaactta	ttttttattt	aatagaggaa	tgtcacccctg	taggtgaata	29580
acgttgcgg	atgttaatatt	acagtattat	agtcctttgt	tatgttattt	attgaaaaaa	29640
cctttaact	atattcgggg	gaaatttattt	tgtcagatgt	tgcgtatattt	attaatgttg	29700
ataacaattt	tggttgtaa	tataaagcgg	atttattttaa	ataagttttc	ataattgtga	29760
tacaccattt	tttctcatcc	ccggttttt	ctgttgcgtt	gaagcgggtt	ccatgaagat	29820
tttgacatgg	ttaagcaact	gccacataaa	ttggcagcag	ttgttgcgt	tcacggtttc	29880
atgcaaggat	tgccatagac	gttcaattttt	attcaaccac	gggcaatagg	tccgtaaaaa	29940
gagaagatta	aatttgggt	tctttgcagg	ccaaaccctg	accttccggc	tcttatgat	30000
gcaatagtt	tctaaaattt	acgtgatgtt	tttggcattt	acatattgtat	tgttaatttc	30060
atctaacaat	ttgatataata	aatctgagtt	ctttctcaag	ctaccgcacat	aagtgtattt	30120
tttcgtttt	gcgttgaggc	aatttggcaag	gtatgtttttt	ttgttgcgtt	cgggggtaac	30180
aacacgctt	tgttgcctt	tgaagcacca	gttcgcacccg	attttgcggt	tcaggttgc	30240
gtccacctca	tcctcataga	agaccgggtt	ttttcttgcgt	ggcatgttgc	aacgtctcgc	30300
tgattttgc	catttttca	tcatactcag	ggtcaggcaa	ttttacggtt	gtgtccgccc	30360
ttcgccaaac	gatggccgtc	cgccaaaagt	agcgatagag	ggtactttga	gagagcgatg	30420
tattcagtag	ctcatttgatt	ttaagtgtaa	taagctcaag	gctccatcg	gaacggagat	30480
agccaaaatg	ttgtggcgag	tgctgtataa	agaaaagaaat	gactgtgaag	agcggagcta	30540
agttccagat	ggcaggccctt	cccgccggaa	ggcttttaag	tccttccaaac	ccgtataatg	30600
ttaaccaatt	tacccaacga	tgaacggaaag	aacgtgaaca	gtgaagcgat	ctggaaacgt	30660
gagaacccgt	actcccttca	tgtacatca	agagcgcgg	gaagcgcacgt	gcatagtcct	30720
tatccgggt	tttcttgata	gctttttca	tcggacgtcg	ttcattttcg	ggtattgtat	30780
ttatgattgg	catgactcag	tccattttgg	gattttttt	gattttggcga	ttaatcagat	30840
cgcgaaaatc	ggactgagtt	cccttcaagt	gatctactat	tttgaatctt	tatttaatca	30900
ggagtcagca	aataggttat	tccccataat	acctgaccat	gtgggtgttt	atccgggaaa	30960
tgattcatct	accgggttga	tgtggattcc	ttggtgcgtat	agtcagaaag	atattgactc	31020
tggccattat	atcaaagttt	ctttcagttaa	aaaggacgtt	gctgatattt	tgaactacat	31080

gtttcaacat	ggcagttatg	tttattttac	agacagtagt	aaacaattta	gcaataagca	31140
aattatgtct	ggtgattcag	ctaaaggcaa	aggggattat	aagcttggaaa	ttaaaacaaa	31200
cgggaacctt	ccactgatgg	tattgaataa	atattgattc	attattattt	atggataaga	31260
aattaagttt	atatttcattc	tggtttctgc	aattaagttt	taaaaattaa	ttctacttt	31320
tttatggttt	tatatttaat	gccaatcata	ttatfffftct	tataataatt	gatagtttat	31380
ttatatagtat	aataaattct	gttggatgtg	attattattt	tgagacggta	ataattaaca	31440
taacagaaaa	ttcatggtta	ggaaatttcaa	tcaacttttgc	tccgggttcc	tgaccatgaa	31500
gagctgtt	tactgtagaa	ctcgcatgta	tactggatttgc	attagccgga	cgagtgttg	31560
gtcagcagat	aatatgttgt	atattggctg	tggatfffft	agcagatgt	tagcttgc	31620
agtaaaggcg	attaataacc	gataaaacag	agagacggat	tgtggccagg	aaagcaaaaa	31680
agcctcacc	tgacgcgtta	ttcaaacatt	ttttAACCCCA	accagaaaacc	gcccgggaaat	31740
tttatccct	ttatctggcg	gaagcgatcc	ggtcagtgtg	tgatttacca	cactaaaact	31800
ggaaccggca	gctttgtgga	caggcaatta	cgtcagtgtc	acagtgtatgt	gctgtattct	31860
gtcgagacaa	cccacgggga	cgttacatt	tattgcctga	ttgaacacca	gtccacgcct	31920
gatccgttaa	ttggcctggcg	gctgatgtat	tattcgtctgt	cagccatggc	tgccatctg	31980
aaaaaaggac	atactgaact	ccctttgtc	gtccccctgc	tgtttatca	tgttgagggt	32040
aggccttacc	cttactcaaa	tcgatggctg	gattttgttcc	cactctgtga	acacgcggct	32100
cacctgtata	atcagccccct	gccgttgggt	gatattcgtg	cgctcgtgt	tgaagagatc	32160
ctgacacata	aaagcattgc	cttgcgtggag	ctggtacaaa	aacatatccg	ttgcccggat	32220
atgctggagt	gggttccccca	attgggtggcg	ttgttgaatg	ccggttataaa	tagcgcggaa	32280
cagcgccatg	ttgtgttaag	ctatattta	ctgaatggac	atacgcgttga	tctcgcccag	32340
tttgcacatc	aactgactga	acaatctccg	gagcatgaaa	ccatgttgc	gactattgca	32400
gaacagctt	aacaaaaagg	gcgtgagcaa	ggccggacag	aaggcagaac	agaaggcaga	32460
gctgaaggac	gggaagaagg	caagctgaa	acggcgcgcg	cattattacg	gcatgggtgc	32520
agtctggaca	tcattgtcac	cagtacccgc	ctgagccggg	agaaaatttga	agcgttaaag	32580
cattaaatgg	atacgctttt	tcacagcagg	atattgttgc	ccctgttgc	ccaccggaaa	32640
attttatcta	ctacgattta	cgacgggttta	ctttaggaag	ctgaatgaga	cgtcctttgt	32700
tatataacgg	tcccatatca	atcttctttt	ttccgcgtac	aggttaatgaa	cccaaaccctt	32760
cgtgagcagc	atttgcacac	aggccatcat	cctgatgc	tgaccaagag	aagatccgc	32820
ccaatttcat	tttggttgca	taaattccct	tatgcagcac	agtgcggggc	gtatccagt	32880
aaatccagtg	accaccgtca	gcattaaaga	gtgcgtcgc	gtcggttcc	gtgtctgtca	32940
ccagttcaaa	ctgattttc	ccgcgtgcaa	tttcatattc	cgcacatgtat	tgttatttca	33000
gcagacagaa	gaattccgg	gcacctttt	ccatcgtg	cagtggctct	cctgttctgt	33060
tatagcggcg	cgttgtcaga	tcagcaccca	gacatgaacg	tccatagttt	gcaatccga	33120
ggtgaatttt	ctccgggtgt	acaccctgt	acagtaaaaa	gccggatcgc	tcatctgcg	33180
agtaatccat	gtcccgatca	ggattttggcg	gaggagggtt	atcgcgttca	tatttataatc	33240
tggggggata	caggttagt	tggtgaccga	tgtatttgc	ccaaaccgtt	ccaaagaagt	33300
cgttaggtcat	cacaagatata	ttgtcttaat	aagggtgc	ttctttaag	ctggacttct	33360
ccatttggc	aacgacggcg	ctacaggcta	tcgtgatttc	tttacgggccc	ccgggttccaa	33420
aggcgatgtt	cagtgttca	cgcagctt	tcactaacaa	aacatagttt	gggcatcat	33480
gttccgggtc	gaattcatta	ccttcttcac	ctgtggcg	ggggtattcc	cagtcgat	33540
ccaccgcagt	aaacatggga	aaacgcccgg	aagaagtgc	cgatgtact	cacaaatgt	33600
gcacgttgc	caggatctt	ggccatcaca	gagaatacc	ctgacatact	ccagccgcgc	33660
atactgaatg	cgagttccag	cttatgc	gcctgttttgc	ctcgcgtt	cagattacgc	33720
aatccccccca	gtaaaccgg	ggctgcattc	tgttgcatt	attgcagaa	atttctcg	33780
ctggcatcac	ggcgttgc	cgcgtccaga	ccgacattgc	gtgtggtgc	ttaatcacca	33840
taaggatcaa	cgggtacat	atggcctaaat	gtataggggg	caatctggcc	actgttgcgt	33900
tctgcttggc	gggttccaccc	gtcaacaacc	tcattatcc	gttcggataa	cttgccttt	33960
tcaccgttga	cggccataaa	actgaaaatc	aggcggcgt	aggcggtagg	ccggattttt	34020
tccagatcaa	aaccacggcc	gggggcattcg	tcgctggtca	gcgcagtgtt	atcctgggtt	34080
tctggcgaca	aacgcgcac	atactggc	cagtcaat	tataggcaga	gacttttaggc	34140
agcgttctg	tatttccgg	atcaacttca	tattcgttgc	acagggactt	ggcaacacgt	34200
gctgaagaat	aactcaaagg	agttccgt	ccgtcagg	tatattccac	cttctgtatag	34260
gtttcttctg	tgagtgc	atattgc	acctcggtt	tttcccccgg	cggtatcatca	34320
ggcgttattgg	ggttaccgtg	atccggcatt	tcttccgg	tcgcctc	gcataattgc	34380
caggcattt	cataaaaccgg	taaatcagg	gaaatattgc	gttcggaaat	atgcccaggt	34440
tcaaccgc	cgatgttttgc	aaaaaccgcg	ctatcataaa	tgacatacc	gttttgacca	34500
ccagattgtat	tctgccaggc	aaccagagat	gcgcctactt	cgctcgttgc	gtcagacatc	34560
gctttaattt	aagggtatcg	ataaaacattt	tgagacataa	tttcaattcc	ggccccgtt	34620
tattccgggg	ccggcttcc	atatcaggta	gaattgtctt	gttttaatttgc	atgtttat	34680
agacggctac	gaacctgtcg	gctgaactca	ttacttccgc	cactcacatc	acgcgcggta	34740
taacgcagat	ggaggataat	atcgctc	gactccagca	gctgtatc	atcggaaaccg	34800
aattccaact	tccactgtga	aatggcgcct	gtcccttcaa	aaggcaggaa	aatgttcatca	34860
tcaaaaatttga	gcctgaacat	gcccgttgc	tccatggcg	ttgaaatc	cacacccgtt	34920
ttagcctgt	cgttgc	aacgttttgc	ggtttgggt	attccaaagg	gttaagcaa	34980
taatcgatag	tttttaagtc	agcgttact	taaagcgtat	tgctgatgtt	taccagtga	35040
gcccgtacat	cttcataagg	ccccagcaat	gcggggcaat	acagcgctac	gtttttata	35100
cggccatcg	cgtgggtcg	ataatcg	aagaacattt	cggcgttgc	taagaaagt	35160
aatgaaccgc	tacttttgcc	aatttccac	tgtgatgtat	tcaatgt	tttttaccgt	35220

atggtttta	tgatctccag	acgtctggtg	ttatgttgca	aatacgcctg	atccatccgt	35280
tgttaaggcta	atttcagatg	ttctccgacc	agcagcccc	gataaaagatc	attccagaga	35340
ccactttgga	cgaaattcat	atcatactga	cctgtttcgt	actgccagga	ggcttcggcc	35400
agtaaacaga	gggaattaac	cgcacatag	gcttgcaggt	aaagccggag	atttggctga	35460
tcatccacat	gtataacgca	tcattggtan	anttggtcnn	NNNNNNNNNN	NNNNNNNNNN	35520
ccgaagcata	ccgccaagac	catccccccg	acggccagac	cggaaaatatt	gggaaccata	35580
tccgccccag	cggcgcaggt	ggcggctgac	tggcagcga	tcacacccctc	agccgcttt	35640
gattgttata	cgataacttc	ctgctcggt	atggagatgt	tttcatcata	gagcgattta	35700
tagtgttgc	ggcgcctctg	agcggcccg	cggctgatgg	tcagtgcac	aatgaaggcc	35760
tgttgcgtgt	caatcgctt	ctgttgcaga	ttgcgggtaa	agctgtacag	ccccagttc	35820
tgctgcatac	ggaagtgttc	aaaatcggtt	ttgtctttt	tctccagcaa	actcagtaac	35880
gtgctgccgt	actgaatcag	cgtttctcg	gcctctttt	cccggctcat	gatcgggggt	35940
aaacgataat	tcgggattgc	ccggcgttt	atgcccgc	tacgattagc	cacaacacgc	36000
tggtaacgct	gcctgagcag	atcttgcgg	ctgatgggtt	catcgatataa	tccggccgga	36060
aactctttac	catccaaggt	caggttatga	cgtaaatgtt	atagacgctg	atccaacatt	36120
tcccaagctt	tgagatattc	cgtatcaaca	ggttgcacaa	ataaatcaga	cggtgcggca	36180
gagacggatg	tatcatatgt	cacaggcaga	agtggcacgt	tgctgacagt	aagcattaaac	36240
tcctgtgcc	gtgccttact	tttttcatac	agagccacat	tttgcagcgt	acgggggttgc	36300
cagttgccc	cgagcagaat	atcaggcgt	gtacccagta	acatattgac	ggagtcatag	36360
atctgcttgg	cgacagttacg	tgcactggat	gtcagcttac	ggtattccat	gtctccctga	36420
tctaaccat	tcttgacata	gaaacggaaat	attgtttcc	ggtagtgaat	gggttcactg	36480
gctcaatgg	catccggatc	gggtggttca	attaaacatcc	ggtacacgg	gggtggagga	36540
tcaataattt	gccgtgaatt	ccagtaacgc	ggtttacctt	ggttgttgc	ctgaacaagt	36600
tcatcttcca	gcggattaaa	aatatagtgc	agccattcgg	tggcctctt	taatcgttgt	36660
tctatattca	gtcgccacgc	gaccggaaat	ggcatatgg	aaaacagttc	ccagaaatag	36720
atcccattt	cgccattaa	atcaatccgc	gtagggat	aaccgggtat	aggctgttgc	36780
gtaataaagt	gtgttattca	gctcagttacc	tgcgggatac	cctgactggc	aatggcgtac	36840
agttttttt	caaacagtgt	attaaggcga	atgtttgtt	gcbcgttac	agtttcatct	36900
gcggggaaagg	aaaggaaattt	cacctgtatcc	tgttcattga	gtttaatcag	ttcgcgaata	36960
tgcataaccg	ttctgaactc	tttagtacag	ctggcacttt	cattgccaac	accacccctt	37020
ggcttaaaga	gaagttcggc	tttcagggtt	attcgattat	ccgaccccg	tttgattgtat	37080
ggataggtt	aatcaagaac	tttttcgttc	agtaccagt	gttgttcatc	caagacagta	37140
ttatcggtca	tcagccggaa	agaaccgtt	taatattgtat	gatcttctat	cgcaccaac	37200
ttaaagttag	attgagcgtac	aatctccagt	gtgtcatcag	tgccatgaa	aaaattgaca	37260
atcgttttga	tactgttctt	ggccaaatca	gggttcatc	cggttggat	tctccggca	37320
taggaaagcg	ttcttcccg	gttgcggat	agagcaccat	atgtacgtt	tcgataggat	37380
tgccttaagg	catcttgcgt	ttcacgtgag	taataccaga	ccaggttgc	gacatatttt	37440
ccttttcgtc	catcagcata	ttggtcatcc	ggcaaaatcag	taatttctac	cagcagtgt	37500
tcgcagacat	aaccgaaggc	ttcgtcataa	tcataatcct	taccttctt	atctgtcccc	37560
tgaagacgga	caaacggaaac	cagagccaga	aacgggttat	gcgggtctt	ctgtatatcc	37620
atcacagcaa	ccatctgggc	catccgtat	tgcagatgtc	ttcgcgcaga	atgggtgggt	37680
tactccagct	gccatcatat	ttggcataag	cgatttgtat	ccggtcagga	acgggtgtgg	37740
aggAACCCAA	tcacccgcac	taggctcaac	gttttggta	tgcagtgata	acgcagttgt	37800
atcttttagt	tcagactgtt	tttcaactt	cgtccaggca	atatacaggc	gattattcag	37860
gaaaatgggg	cgtatcaaatt	tggggtctac	gctgcccata	ggcagggtca	taggtttcca	37920
ctcgctccag	gcattgggag	ataacgcac	ggtatcagga	tggcgtatcg	aaagattcag	37980
tgaacgcagg	taatatttgt	atggctgtt	acgggtacgt	ccgacaaaaga	agaacttatac	38040
gcgtttgatg	ttaacaccat	tttcataacc	tgcgataact	ttcaggttac	tgacatcttc	38100
aaaattattt	agataaccga	gcaccgcctt	ttgtacagaa	tcttcggtaa	tttttccctg	38160
attaaggcga	ctttccagtt	ggaagaagaa	ttctgtttt	ttcaggcgt	acaggggttc	38220
catagatgtt	tccggataag	tccgtataaa	gcgtatccc			38258